

**CHIMERIC AND HUMANIZED ANTIBODIES TO $\alpha 5\beta 1$ INTEGRIN THAT
MODULATE ANGIOGENESIS**

ABSTRACT

The present invention provides chimeric and humanized antibodies that specifically recognize $\alpha 5\beta 1$ integrin, and methods for using the antibodies for reducing or inhibiting angiogenesis in a tissue. Also provided are methods of determining therapeutically acceptable doses of the antibodies and pharmaceutical compositions including the same.